

Converting Colors

XYZ(22.4483, 22.4202, 30.0742)

Have a look what the booklet for
XYZ(22.4483, 22.4202, 30.0742)
contains.

XYZ(22.5029, 22.4692, 29.9390)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.5029, 22.4692,
29.9390)**

Conversions

Conversions Part 1

Format	Color
Hex	858091
RGB	133, 128, 145
RGB Percent	52%, 50%, 57%
CMY	0.4784, 0.4980, 0.4314
CMYK	0.08, 0.12, 0.00, 0.43
HSL	258°, 7%, 54%
HSV	258°, 12%, 57%
XYZ	22.5029, 22.4692, 29.9390
YIQ	131.4330, -2.4770, 6.3470

Conversions

Conversions Part 2

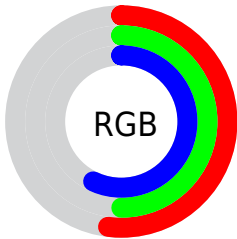
Format	Color
R_{YB}	133, 128, 145
Decimal	8749201
CIE Lab	54.52, 5.35, -8.47
CIE LCh	55, 10.012, 302.271
Yxy	22.4692, 0.3004, 0.2999
Android (android.graphics.Color)	4286939281 (0xFF858091)
YUV	131.4330, 6.6885, 1.3743
Hunter-Lab	47.4017, 1.7860, -4.2665

Details

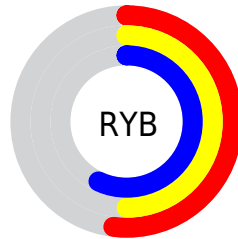
The XYZ color **22.5029, 22.4692, 29.9390** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.8376, 27.3853, 24.3999**, and the grayscale version is **21.7063, 22.8367, 24.8691**.

A 20% lighter version of the original color is **47.0824, 47.6104, 60.7410**, and **8.4288, 8.2572, 11.9760** is the 20% darker color. If you saturate the color by 10%, you get **19.2072, 18.1608, 29.2815**, and if you desaturate by 10%, it is **26.2278, 27.4013, 30.6950**.

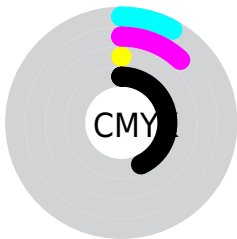
Distribution



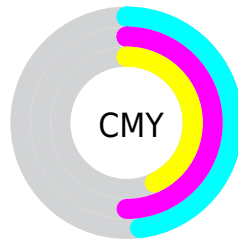
- Red (52%)
- Green (50%)
- Blue (57%)



- Red (52%)
- Yellow (50%)
- Blue (57%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (43%)



- Cyan (48%)
- Magenta (50%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5029, 22.4692, 29.9390 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.5029, 22.4692, 29.9390 by changing the saturation by 10% instead.

■ 22.5029, 22.4692,
29.9390

■ 22.5029, 22.4692,
29.9390

257.7447,
264.9868, 315.8185

■ 14.3456, 14.2021,
19.5406

■ 47.0485, 47.5203,
60.6256

■ 8.4447, 8.2613,
11.8808

■ 64.1674, 65.0730,
81.7508

■ 4.4350, 4.2626,
6.5410

■ 85.0043, 86.4897,
107.2888

■ 1.9510, 1.8215,
3.1027

109.9244,
112.1548, 137.6581

■ 0.6062, 0.5005,
1.1473

139.2932,
142.4527, 173.2771

■ 0.0000, 0.0000,
0.0000

173.4759,

177.7677, 214.5645

212.8379,
218.4843, 261.9388

■ 22.5029, 22.4692,
29.9390

■ 22.5029, 22.4692,
29.9390

■ 19.2072, 18.1608,
29.2815

■ 26.2278, 27.4013,
30.6950

■ 16.3227, 14.4482,
28.7169

■ 30.3948, 32.9778,
31.5518

■ 13.8332, 11.3053,
28.2414

■ 35.0190, 39.2223,
32.5134

■ 11.7206, 8.7033,
27.8505

■ 40.1139, 46.1560,
33.5832

■ 9.9653, 6.6106,
27.5391

■ 45.6926, 53.7993,
34.7644

8.5456, 4.9922,
27.3016

51.7677, 62.1717,
36.0603

7.4376, 3.8088,
27.1316

58.3511, 71.2920,
37.4737

6.6134, 3.0141,
27.0216

65.4546, 81.1783,
39.0075

6.0922, 2.5502,
26.9595

71.9614, 89.5921,
40.2886

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.4400, 22.4692, 31.0142



22.5029, 22.4692, 29.9390



23.2791, 22.4692, 27.3862

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.5029, 22.4692, 29.9390



22.3533, 22.4692, 19.4962



19.3164, 22.4692, 24.7054

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.5029, 22.4692, 29.9390



24.8376, 27.3853, 24.3999

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.5424, 22.4692, 21.7596



22.5029, 22.4692, 29.9390



21.2728, 22.4692, 18.9097

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.5029, 22.4692, 29.9390



23.1907, 22.4692, 21.3782



20.2493, 22.4692, 19.7028



19.6213, 22.4692, 27.8358

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.5029, 22.4692, 29.9390



23.5163, 22.4692, 25.2869



20.2493, 22.4692, 19.7028



19.3328, 22.4692, 23.6614

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.5036, 22.4701, 29.9395



45.3245, 46.8836, 54.6341



23.4185, 25.4440, 30.4653



9.9777, 10.2901, 12.1325



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.5036, 22.4701, 29.9395



38.7114, 38.1529, 53.2975



23.8691, 23.1741, 30.0034



5.2694, 5.3271, 6.7793



5.2489, 2.1995, 23.1250



0.0701, 0.0313, 0.2220

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.1305, 23.3524, 28.0475



42.2154, 40.0540, 49.1853



23.4887, 26.6899, 24.3368



5.5596, 5.4844, 6.4448



12.0999, 5.9970, 11.4433



0.1253, 0.0612, 0.1603

Previews

White Background



This preview shows how the XYZ color 22.5029, 22.4692, 29.9390 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.5029, 22.4692, 29.9390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

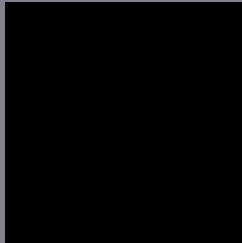
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5029, 22.4692, 29.9390

Background



This preview shows how black text looks on a background with the XYZ color 22.5029, 22.4692, 29.9390.



This preview shows how white text looks on a background with the XYZ color 22.5029, 22.4692,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.5029, 22.4692, 29.9390

Protanopia

21.9407, 22.3650, 30.3546

Deuteranopia

22.8535, 22.4573, 29.9182



Tritanopia

22.0262, 22.4701, 27.6024

Trichromacy



Original Color

22.5029, 22.4692, 29.9390

Protanomaly

22.2445, 22.5217, 30.3688

Deuteranomaly

22.6919, 22.3740, 29.9107

Tritanomaly

22.1737, 22.5291, 28.3792

Monochromacy



Original Color

22.5029, 22.4692, 29.9390

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.9423, 22.6484, 26.5076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5029, 22.4692, 29.9390 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(133, 128, 145)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 145)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(133, 128, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 145) }
```

Border

The CSS property to change the border of an element to XYZ 22.5029, 22.4692, 29.9390 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 128, 145) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(133, 128, 145) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(133, 128, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 145);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5029, 22.4692, 29.9390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 145) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(133,  
128, 145) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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